

# **915G-TMGF 915GV-TML**

**System Board User's Manual  
Carte Mère Manuel Pour Utilisateur  
System-Platine Benutzerhandbuch  
Manual del Usuario de Placas Base  
Руководство Пользователя**

935-915G01-000  
83800442

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**Caution**

To avoid damage to the system, use the correct AC input voltage range.  
To reduce the risk of electric shock, unplug the power cord before removing the system chassis cover for installation or servicing. After installation or servicing, cover the system chassis before plugging the power cord.  
Battery: 1. Danger of explosion if battery incorrectly replaced. 2. Replace only with the same or equivalent type recommend by the manufacturer. 3. Dispose of used batteries according to the battery manufacturer's instructions.

**Notice**

The system board and accessories you receive in the package may not come similar to the information stated in this manual. This may differ in accordance to the sales region or models in which it was sold. For more information about the standard package in your region, please contact your dealer or sales representative.

**FCC and DOC Statement on Class B**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

**Notice:**

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables must be used in order to comply with the emission limits.

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The user's manual in the provided CD contains detailed information about the system board. If, in some cases, some information doesn't match those shown in this manual, this manual should always be regarded as the most updated version.

Le manuel d'utilisateur dans le CD muni contient renseignement détaillé au sujet de carte de système. Si, en quelque cas, quelque renseignement n'appareille de ce que dit dans ce manuel, ce manuel doit toujours être considéré comme la plus nouvelle version.

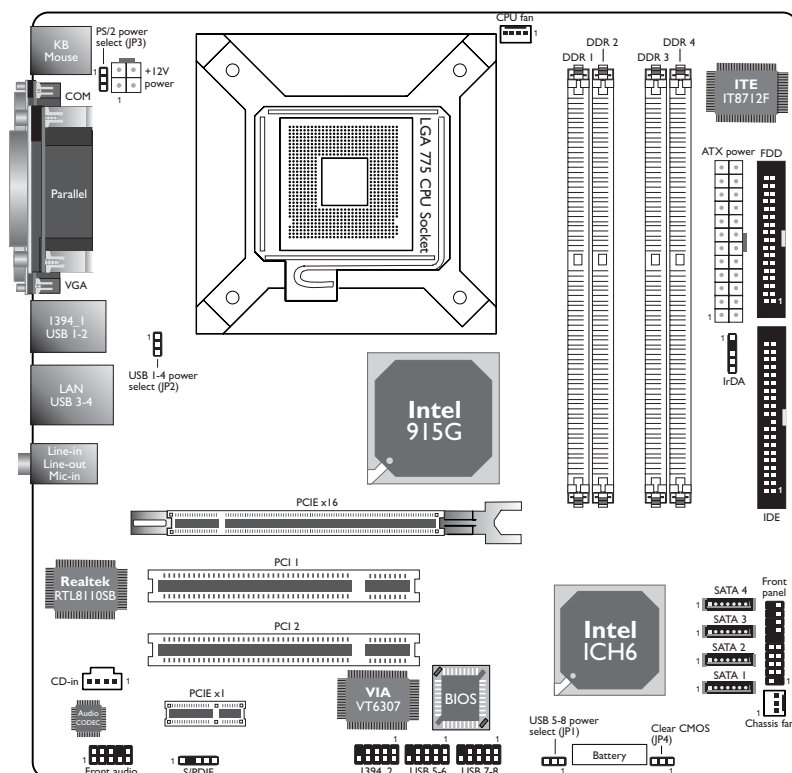
Das Benutzerhandbuch in der angebotenen CD enthält detaillierte Informationen über die Hauptplatine. Wenn in manchen Fällen manche Informationen nicht denjenigen Informationen dargestellt in diesem Handbuch entsprechen, soll dieses Handbuch als die meist aktualisierte Ausgabe gelten.

El uso explicativo contiene información detallada sobre la sistema board en el CD preparativo. Si en algún caso, la información no es igual con el uso explicativo, necesita ver el uso explicativo, es que es más nuevo.

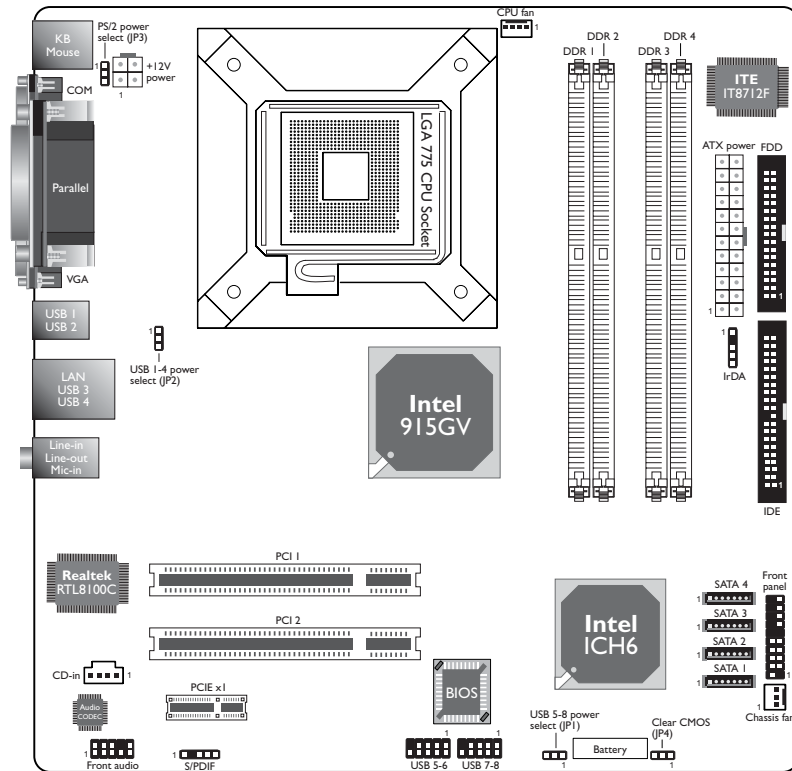
В руководстве пользователя на предоставляемом CD диске содержится подробная информация о материнской плате. Иногда напечатанное руководство может не совпадать руководством на CD, так как последнее наиболее часто обновляется и является самым свежим.

## Chapter 1 - Quick Setup Guide

### 1.1 System Board Layout



915G-TMGF



915GV-TML

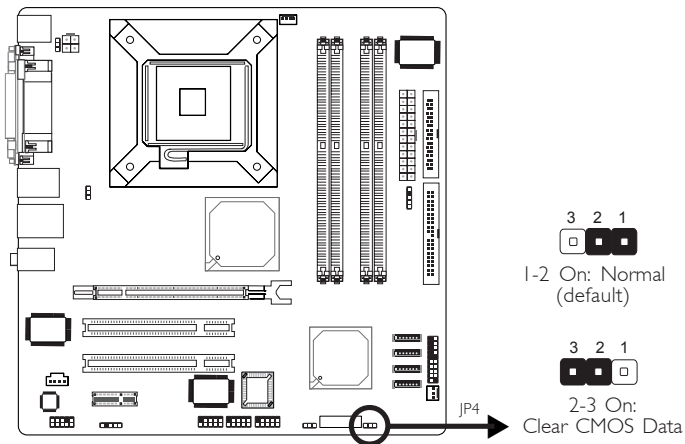


### Note:

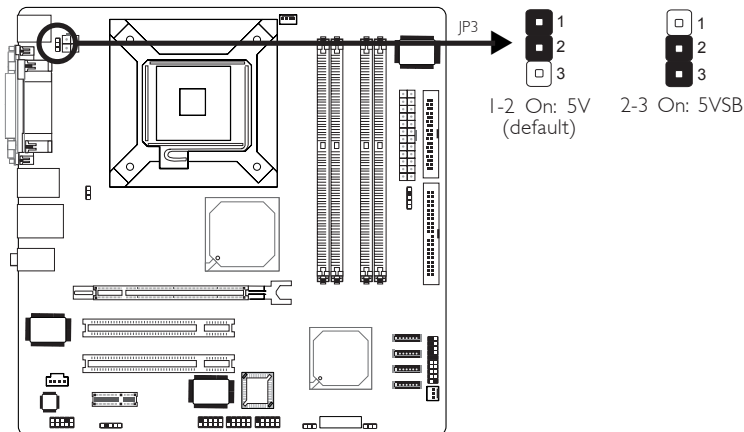
The illustrations on the following pages are based on the system board that supports IEEE 1394 and PCI Express x16 slot.

## I.2 Jumpers

### I.2.1 Clear CMOS Data



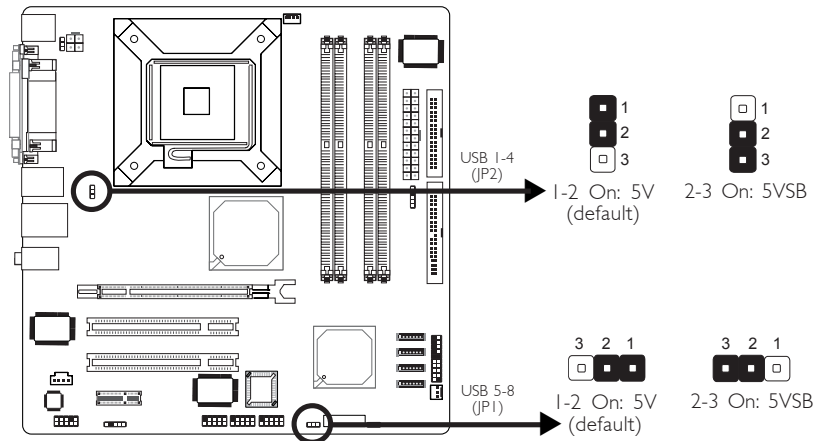
### I.2.2 PS/2 Power Select



**Important:**

The 5VSB power source of your power supply must support  $\geq 720\text{mA}$ .

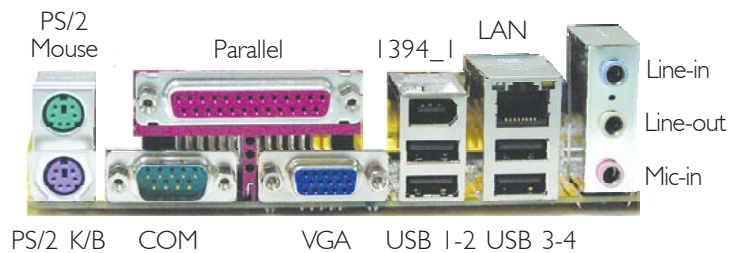
### I.2.3 USB Power Select



#### Important:

If you are using the Wake-On-USB Keyboard/Mouse function for 2 USB ports, the 5VSB power source of your power supply must support  $\geq 1.5A$ . If you are using the Wake-On-USB Keyboard/Mouse function for 3 or more USB ports, the 5VSB power source of your power supply must support  $\geq 2A$ .

### I.3 Rear Panel I/O Ports



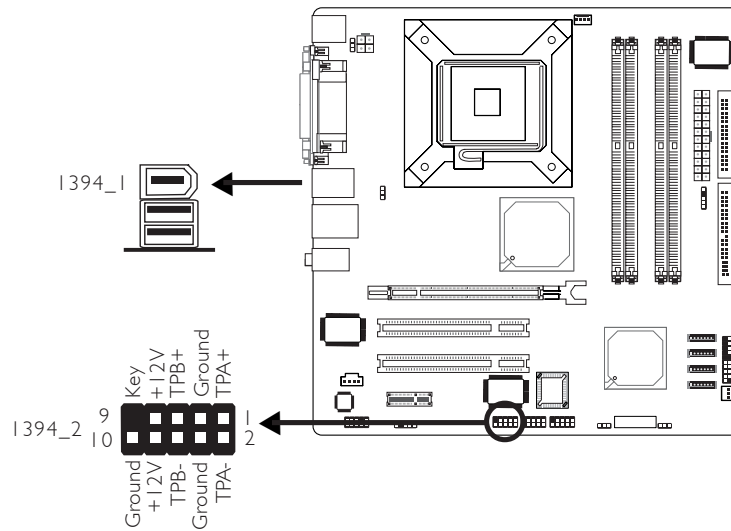
IEEE 1394 port (915G-TMGF only)

LAN port - 10/100Mbps (915GV-TML only)

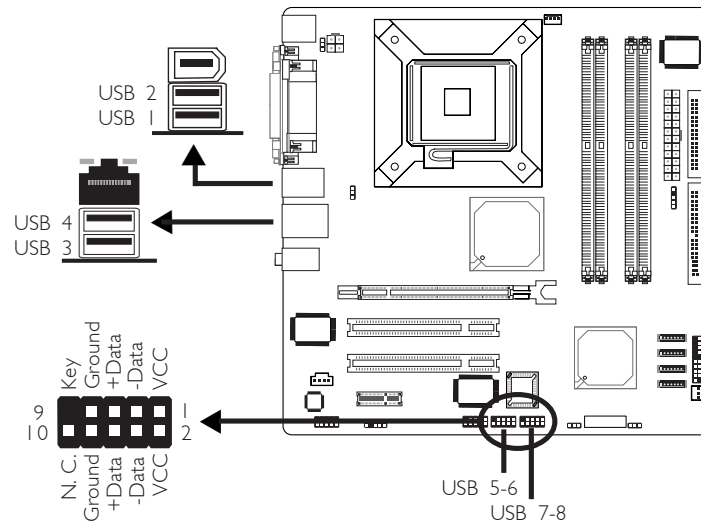
10/100/1Gbps (915G-TMGF only)

## I.4 I/O Connectors

### I.4.1 IEEE 1394 (915G-TMGF only)

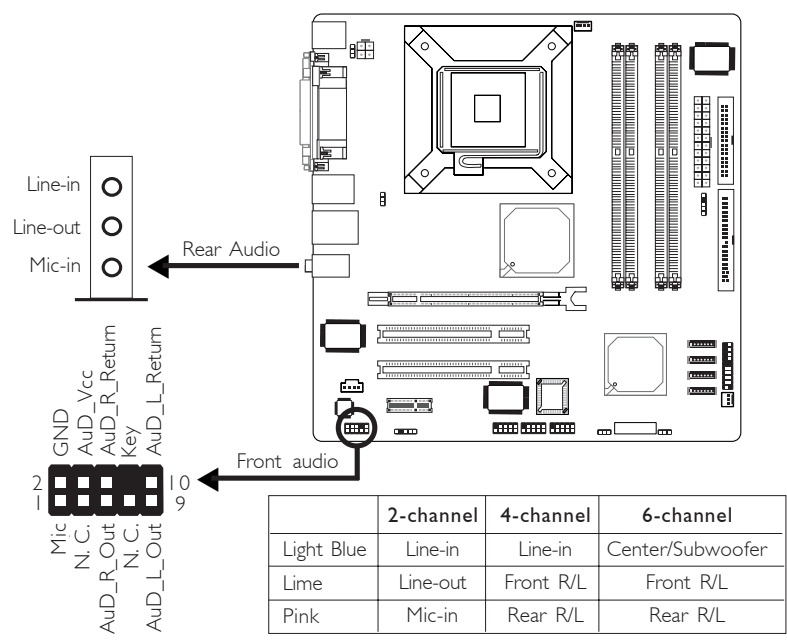


### I.4.2 USB Ports

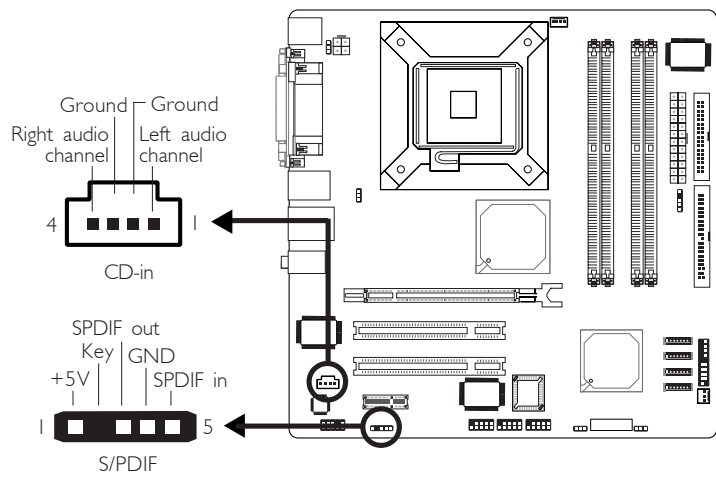




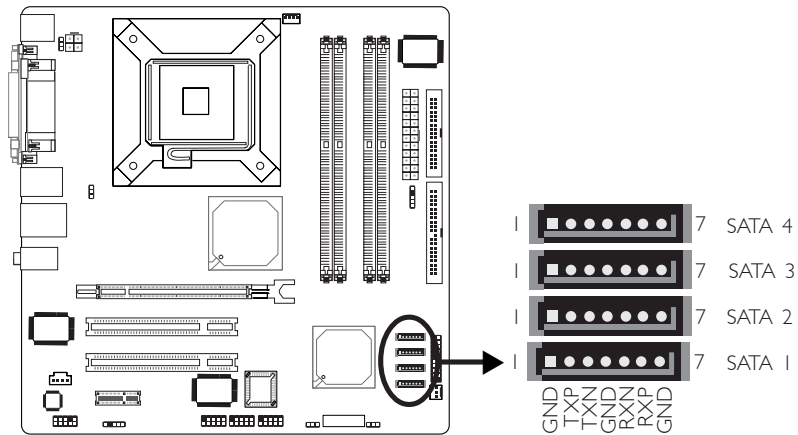
I.4.3 Audio (Rear Audio and Front Audio)



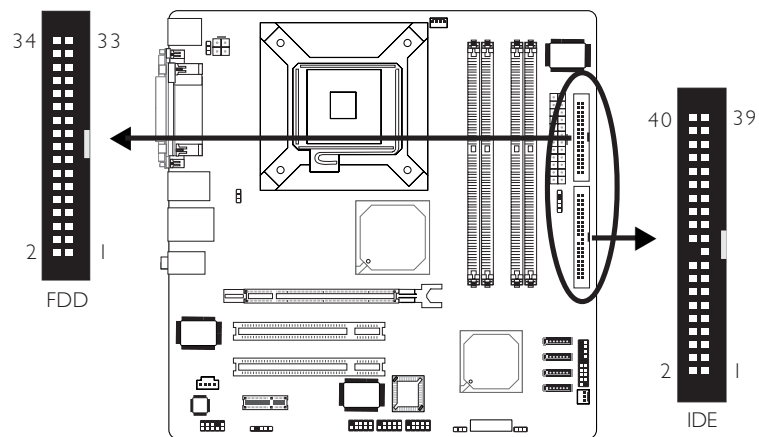
I.4.4 CD-in and S/PDIF Connectors



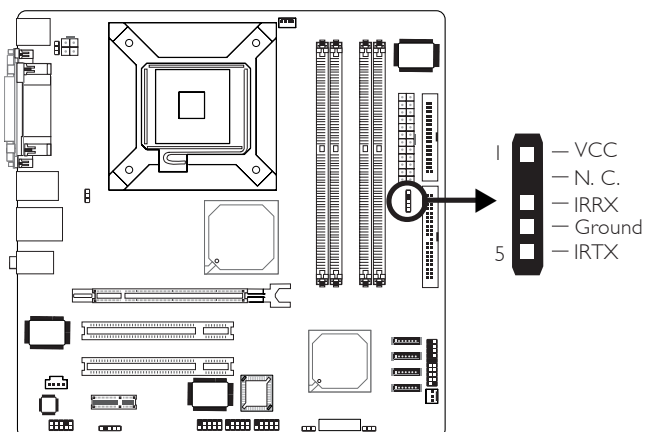
## I.4.5 Serial ATA Connectors



## I.4.6 FDD and IDE Connectors

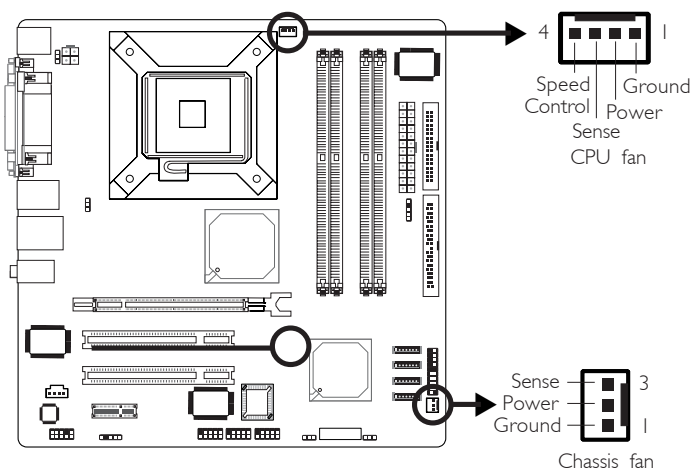


### 1.4.7 IrDA Connector

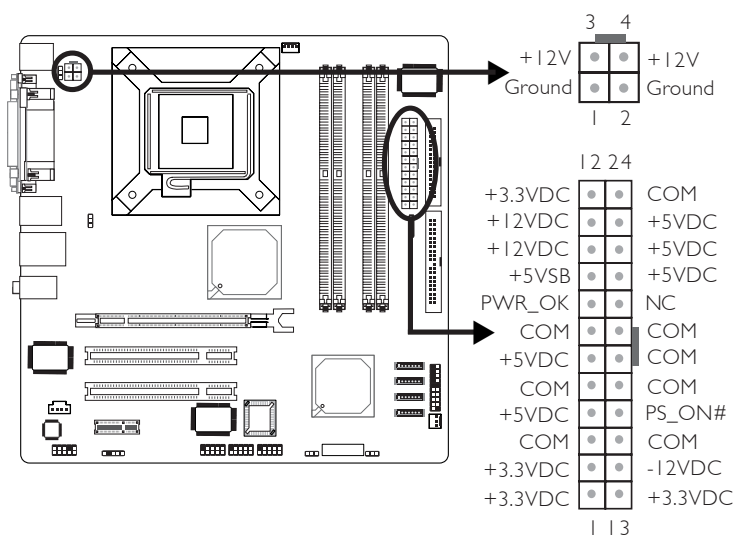
**Note:**

The sequence of the pin functions on some IR cable may be reversed from the pin function defined on the system board. Make sure to connect the cable connector to the IR connector according to their pin functions.

### 1.4.8 Cooling Fan Connectors

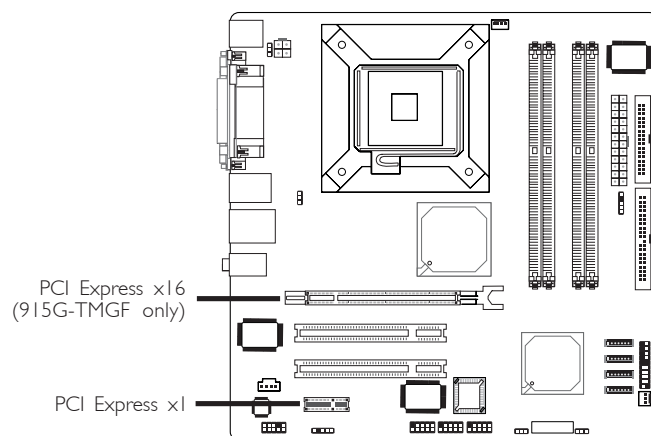


## I.4.9 Power Connectors

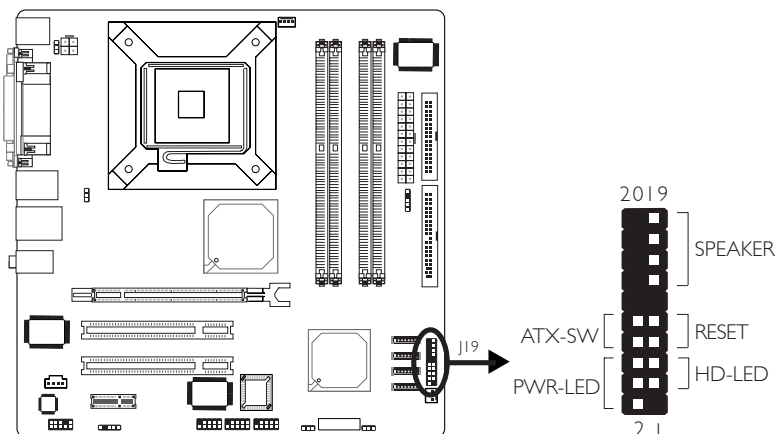
**Important:**

To ensure that adequate power is provided, we **strongly recommend** that you use a minimum of 400 Watt (or greater) power supply.

## I.4.10 PCI Express x16 and x1 Slots



### 1.4.11 Front Panel Connectors



	Pin	Pin Assignment
<b>HD-LED</b> (Primary/Secondary IDE LED)	3 5	HDD LED Power HDD
<b>Reserved</b>	14 16	N. C. N. C.
<b>ATX-SW</b> (ATX power switch)	8 10	PWRBT+ PWRBT-
<b>Reserved</b>	18 20	N. C. N. C.
<b>RESET</b> (Reset switch)	7 9	Ground H/W Reset
<b>SPEAKER</b> (Speaker connector)	13 15 17 19	Speaker Data N. C. Ground Speaker Power
<b>PWR-LED</b> (Power/Standby LED)	2 4 6	LED Power (+) LED Power (+) LED Power (-) or Standby Signal

## Chapter 2 - English

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### 2.1 Features and Specifications

#### Processor

- Intel® Pentium® 4 Prescott processor
  - Hyper-Threading Technology
  - 533MT/s and 800MT/s (200MHz) system bus interface
- Socket LGA 775 (LAN Grid Array)

#### Chipset

- 915G-TMGF
  - North bridge: Intel® 915G Express chipset
  - South bridge: Intel® 82801FB I/O Controller Hub (ICH6)
- 915GV-TML
  - North bridge: Intel® 915GV Express chipset
  - South bridge: Intel® 82801FB I/O Controller Hub (ICH6)

#### System Memory

- Four 184-pin DDR DIMM sockets that support PC2700 (DDR333) and PC3200 (DDR400) DIMMs
- Supports dual channel (128-bit wide) memory interface
- Supports up to 4GB system memory
- Supports non-ECC x8 and x16 DIMMs
- Supports up to 512Mb DRAM densities
- Supports unbuffered DIMMs



#### Note:

The system board does not support 16Mx8 DRAM.

#### BIOS

- Award BIOS
- 4Mbit flash memory

#### Energy Efficient Design

- Supports ACPI specification and OS Directed Power Management
- Supports ACPI STR (Suspend to RAM) function
- Wake-On-Events include:
  - Wake-On-PS/2 Keyboard/Mouse
  - Wake-On-USB Keyboard/Mouse

- Wake-On-Ring (external modem)
- Wake-On-LAN
- RTC timer to power-on the system
- AC power failure recovery

**Hardware Monitor**

- Monitors CPU/system temperature and overheat alarm
- Monitors Vcore/V3SB/Vcc3/Vcc5/12V/V5SB/VBAT voltages
- Monitors the speed of the CPU/system fan
- CPU Overheat Protection function monitors CPU temperature and fan during system boot-up - automatic shutdown upon system overheat

**Onboard VGA Features**

- Built-in Intel Graphics Media Accelerator 900

**Onboard Audio Features**

- 6-channel audio CODEC
- Full-duplex codec with independent variable sampling rate
- True stereo line level outputs
- S/PDIF-in/out interface

**Onboard LAN Features**

- 915G-TMGF
  - Realtek RTL8105B PCI Gigabit LAN controller
  - Supports 10/100/1 Gbps
  - IEEE 802.3ab compliant
- 915GV-TML
  - Realtek RTL8100C PCI LAN controller
  - Supports 10/100Mbps
  - IEEE 802.3 compliant
- Integrated power management functions
- Supports wake for management

**Serial ATA Interface**

- Supports four SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification (1.5Gbps interface)

**IEEE 1394 Interface (915G-TMGF only)**

- Supports two 100/200/400 Mb/sec ports

**IDE Interface**

- One IDE connector supports up to two UltraDMA100Mbps hard drives

**Rear Panel I/O Ports**

- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 1 DB-9 serial port
- 1 DB-25 parallel port
- 1 DB-15 VGA port
- 1 IEEE 1394 port (915G-TMGMF only)
- 1 RJ45 LAN port
- 4 USB 2.0/1.1 ports
- Line-in, line-out and mic-in jacks

**I/O Connectors**

- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 connector for 1 external IEEE 1394 port (915G-TMGMF only)
- 1 front audio connector for external line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF connector
- 1 IR connector
- 4 Serial ATA connectors
- 1 IDE connector
- 1 floppy connector
- 1 24-pin ATX power connector
- 1 4-pin ATX 12V power connector
- 1 front panel connector
- 2 fan connectors

**Expansion Slots**

- 1 PCI Express x16 slot (915G-TMGMF only)
- 1 PCI Express x1 slot
- 2 PCI slots

**PCB**

- microATX form factor
- 24.4cm (9.6") x 24.4cm (9.6")



## 2.2 Package Checklist

The system board package contains the following items:

- ☒ One system board
- ☒ One IDE cable
- ☒ One FDD cable
- ☒ Two Serial ATA data cables
- ☒ One Serial ATA power cable
- ☒ One I/O shield
- ☒ One "Mainboard Utility" CD
- ☒ One user's manual

If any of these items are missing or damaged, please contact your dealer or sales representative for assistance.

## Chapter 3 - Français

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### 3.1 Caractéristiques et Spécifications

#### Processeur

- Les processeurs Intel® Pentium® 4 Prescott
  - Intel Hyper-Threading Technologie
  - Interface du bus système 533MT/s et 800MT/s (200MHz)
- Socket LGA 775 (LAN Grid Array)

#### Chipset

- 915G-TMGF
  - Pont nord: Intel® 915G Express chipset
  - Pont sud: Intel® 82801FB I/O Contrôleur Hub (ICH6)
- 915GV-TML
  - Pont nord: Intel® 915GV Express chipset
  - Pont sud: Intel® 82801FB I/O Contrôleur Hub (ICH6)

#### Mémoire Système

- 4 socles DIMM DDR 184-pin supportant les modules PC2700 (DDR333) et PC3200 (DDR400)
- Supporte l'interface de mémoire deux canaux (128-bit)
- Supporte jusqu'à 4 GB de mémoire système
- Supporte exclusivement les modules DIMM non-ECC x8 et x16
- Supporte une densité de RAM jusqu'à 512Mb
- Supporte les DIMM non-tamponnés



#### Remarque:

*La carte mère ne supporte pas les DRAM de 16Mx8.*

#### BIOS

- Compatible avec Award BIOS
- Mémoire Flash 4Mbit

#### Design à Haut Rendement Énergétique

- ACPI STR (Suspend to RAM) fonction
- Réveil-Sur-PS/2 Clavier/Souris et Réveil-Sur-USB Clavier/Souris
- Eveil Sonnerie et Réveil Par Le Réseau
- Minuterie RTC pour allumer le système
- Récupération après Défaillance d'Alimentation CA

#### System Health Monitor Fonctions

- Gère l'alarme de température et de surchauffe de CPU/système
- Gère l'alarme de voltage et d'échec de Vcore/V3SB/Vcc3/Vcc5/12V/V5SB/VBAT
- Gère la vitesse de ventilateur du ventilateur de CPU/système
- Protection du CPU - supporte la mise hors circuit automatique en cas de surchauffage du système

#### Fonctionnalités Graphiques Intégrées

- Intel Graphics Media Accelerator 900 intégrées

#### Fonctionnalités Audio Intégrées

- 6-canaux audio CODEC
- Codec full-duplex avec fréquence d'échantillonnage variable indépendante
- Sorties de niveau de lignes stéréo vraies
- Interface entrée/sortie S/PDIF

#### Fonctionnalités LAN Intégrées

- 915G-TMGF
  - Realtek RTL8110SB PCI Gigabit LAN Contrôleur
  - Supporte 10/100/1Gbps
  - IEEE 802.3ab compatible
- 915GV-TML
  - Realtek RTL8100C PCI LAN Contrôleur
  - Supporte 10/100Mbps
  - IEEE 802.3 compatible
- Fonctions de gestion d'alimentation intégrées
- Support câble pour la gestion

#### Interface Serial ATA

- Supportant 4 interface SATA (Serial ATA) compatible avec la spécification SATA 1.0 (bande passante à 1.5Gbps)

#### Interface IEEE 1394 (915G-TMGF seulement)

- Supporte 2 ports 100/200/400 Mb/séc

#### Contrôleur IDE

- Supporte des disques durs jusqu'à UltraDMA 100Mbps

**Le Panneau des Ports Entrée/Sortie en Arrière**

- 1 port souris PS/2 et 1 port clavier PS/2
- 1 port de DB-9 série
- 1 port parallèle DB-25
- 1 port de DB-15 VGA
- 1 port IEEE 1394 (915G-TMGF seulement)
- 1 port RJ45 LAN
- 4 ports USB 2.0/1.1
- Line-in, line-out et mic-in prises audio

**Connecteurs Entrée/Sortie**

- 2 connecteurs pour 4 ports USB 2.0/1.1 supplémentaires
- 1 connecteur pour 1 IEEE 1394 (915G-TMGF seulement)
- 1 connecteur audio de l'avant pour la sortie ligne/l'entrée micro
- 1 connecteur CD-in audio internes
- 1 S/PDIF l'assemblage pour l'adjonction de câble optique
- 1 connecteur IR
- 4 connecteurs Serial ATA
- 1 connecteur IDE
- 1 connecteur de FDD
- 1 connecteur d'alimentation ATX 24-pin
- 1 connecteur d'alimentation ATX 4-pin 12V
- 1 connecteur devant panneau
- 2 connecteurs de ventilateurs

**Logements d'Extension**

- 1 slot PCI Express x16 (915G-TMGF seulement)
- 1 slot PCI Express x1
- 2 slots PCI

**PCB**

- Facteur de forme de microATX
- 24.4cm (9.6") x 24.4cm (9.6")

### 3.2 Liste de Vérification de l'Emballage

L'emballage de la carte système contient les éléments suivants:

- ☒ 1 carte système
- ☒ 1 câble IDE
- ☒ 1 câble FDD
- ☒ 2 câble SATA
- ☒ 1 câble d'alimentation SATA
- ☒ 1 plaque I/O
- ☒ 1 CD "Mainboard Utility"
- ☒ 1 manuel utilisateur

Si l'un de ces éléments n'était pas dans l'emballage ou s'il était endommagé, veuillez contacter votre revendeur ou votre représentant.

## Chapter 4 - Deutsch

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### 4.1 Leistungsmerkmale und Technische Daten

#### Prozessor

- Intel® Pentium® 4 Prescott Prozessor
  - Intel Hyper-Threading Technologie
  - Interface des Systembusses 533MT/s und 800MT/s (200MHz)
- Prozessor Socket LGA 775 (LAN Grid Array)

#### Chipset

- 915G-TM6F
  - Nordbrücke: Intel® 915G Express chipset
  - Südbrücke: Intel® 82801FB (ICH6)
- 915GV-TML
  - Nordbrücke: Intel® 915GV Express chipset
  - Südbrücke: Intel® 82801FB (ICH6)

#### Systemspeicher

- 4 Sockel 184-pin DDR DIMM, die die Module PC2700 (DDR333) & PC3200 (DDR400) unterstützen.
- Unterhält 128-bit – Speicher mit den zwei Kanälen
- Unterhält bis zum 4GB-Systemspeicher
- Unterhält nur non-ECC x8 und x16 DIMMs
- Unterhält bis zum 512Mb DRAM
- Unterhält DIMMs ohne Dämpfer



#### Bemerkung:

Die Mutterplatte unterstützt den DRAM 16Mx8 nicht.

#### BIOS

- Kompatibilität mit Award BIOS
- Flash-Speicher (4Mbit)

#### Ergonomisches Design

- ACPI STR (Suspend to RAM) funktion
- Wecken bei Betätigung der PS/2 Tastatur/Maus
- Wecken bei USB-Tastatur/Maus
- Wecken bei Klingeln
- Wecken des Systems durch das Netzwerk
- RTC-Taktgeber zum Einschalten des Systems

- Wiederherstellung der Wechselstromversorgung nach einem Ausfall

#### **System Health Monitor Funktionen**

- Überwachung der Temperatur des CPU/Systems sowie Warnsignal bei Überhitzung
- Überwachung der Spannungen des Vcore/V3SB/Vcc3/Vcc5/12V/V5SB/VBAT
- Überwachung der Geschwindigkeit des CPU-Ventilators und Systems-Ventilators
- Prozessor-Shutz - Die Ausschaltung bei der Überhitzung – die automatische Ausschaltung des Computers bei der Überhitzung

#### **Die Eingebauten Graphischen Möglichkeiten**

- Integrierte Intel Graphics Media Accelerator 900

#### **Die Eingebauten Audio Möglichkeiten**

- 6-Kanal-Audio-CODEC
- Vollduplex-Codec mit unabhängiger und variabler Abtastfrequenz
- Naturgetreue Stereo-Leitungspegel-Ausgabe
- S/PDIF-In/Aus-Schnittstelle

#### **Die Eingebauten LAN Möglichkeiten**

- 915G-TMGF
  - Realtek RTL8105B PCI Gigabit LAN Kontroller
  - Unterstützt 10/100/1Gbps
  - IEEE 802.3ab Kompatibilität
- 915GV-TML
  - Realtek RTL8100C PCI LAN Kontroller
  - Unterstützt 10/100Mbps
  - IEEE 802.3 Kompatibilität
- Integrierte Power-Management-Funktionen
- Unterstützung des Leiters für das Management

#### **Serial ATA Schnittstelle**

- Unterstützt 4 SATA (Serielle ATA)-Schnittstelle, die mit SATA 1.0 Spezifikation (1.5Gigabits Schnittstelle) konform ist.

#### **IEEE 1394 Schnittstelle (Nur für 915G-TMGF)**

- Unterstützt 2 Ports 100/200/400 Mbps

**IDE-Controller**

- Unterstützung der Festplatten bis zum UltraDMA 100Mbps

**Ein-/Ausgabe-Porte an der Rückwand**

- 1 Mini-DIN-6-Anschluß für eine PS/2-Maus
- 1 Mini-DIN-6-Anschluß für eine PS/2-Tastatur
- 1 serieller DB-9-Anschlüsse
- 1 DB-25-Parallelanschluß und 1 VGA DB-15-Anschlüsse
- 1 IEEE 1394-Anschlüsse (Nur für 915G-TMGF)
- 1 RJ45 LAN-Anschlüsse
- 4 USB 2.0/1.1-Anschlüsse
- Line-in, line-out und mic-in Audio-Anschlußbuchsen

**Ein-/Ausgabe-Steckverbinder**

- 2 Anschlußfassung für 4 zusätzliche externe USB 2.0/1.1-Anschlüsse
- 1 Anschluß für eine externe IEEE 1394 Schnittstelle (Nur für 915G-TMGF)
- 1 Frontaudioanschluß für die externe Ausgangsleitung und den Mikrofoneingang
- 1 interne Audioanschlüsse (CD-in)
- 1 S/PDIF Anschluß für die Verbindung des optischen Kabel
- 1 IR-Anschluß
- 4 Serial-ATA-Anschlüsse
- 1 IDE-Anschlüsse
- 1 Floppy-Anschlüsse
- 1 Anschlußstecker für das ATX-Netzgerät 24-pin
- 1 Anschlußstecker für das ATX-Netzgerät 4-pin 12V
- 1 Frontabdeckung Stecker
- 2-ventilator-Anschlüsse

**Erweiterungssteckfassungen**

- 1 PCI Express x16-Einbauplätzen (Nur für 915G-TMGF)
- 1 PCI Express x1-Einbauplätzen
- 2 PCI-Einbauplätzen

**Die Druckplatte**

- microATX microATX Formfaktor
- 24.4cm (9.6") x 24.4cm (9.6")



## 4.2 Verpackungsliste

In der Verpackung der Systemplatine sind folgende Artikel enthalten:

- ☒ 1 Systemplatine
- ☒ 1 IDE-Kabel
- ☒ 1 FDD-Kabel
- ☒ 2 SATA-Kabel
- ☒ 1 SATA-Energiekabel-Kabel
- ☒ 1 I/O-Schutzdeckel
- ☒ 1 CD mit "Mainboard Utility"
- ☒ 1 Benutzerhandbuch

Fehlt einer dieser Artikel oder weist einer dieser Artikel Beschädigungen auf, wenden Sie sich an Ihren Händler oder Vertreter.

## Chapter 5 - Español

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### 5.1 Características y Especificaciones

#### Procesador

- Procesador Intel® Pentium® 4 Prescott
  - Intel Hyper-Threading Tecnología
  - Interface de la barra sistémica 533MT/s y 800MT/s (200MHz)
- Zócalo LGA 775 (LAN Grid Array)

#### Chipset

- 915G-TMGF
  - Puente norte: Intel® 915G Express chipset
  - Puente sur: Intel® 82801FB (ICH6)
- 915GV-TML
  - Puente norte: Intel® 915GV Express chipset
  - Puente sur: Intel® 82801FB (ICH6)

#### Memoria de Sistema

- 4 184-pin DDR DIMM asientos, que mantienen módulos PC2700 (DDR333) y PC3200 (DDR400) DIMMs
- Soporta memoria de dos canales (128-bit)
- Soporta hasta 4GB de memoria sistémica
- Soporta sólo non-ECC x8 y x16 DIMM
- Apoyo hasta 512 Mb DRAM
- Soporta unbuffered DIMM



#### Nota:

La tarjeta del sistema no soporta DRAM de 16Mx8.

#### BIOS

- Award BIOS
- Memoria Instante (4Mbitios)

#### Diseño Energía Eficiente

- ACPI STR (Suspend to RAM) función
- PS/2 Teclado/Ratón und USB Teclado/Ratón de Wake-On
- Wake-On-Ring y Wake-On-LAN
- Temporizador de RTC para encender el sistema
- Recuperación de Fracaso de Energía AC

**Funciones de Monitor de Salud del Sistema**

- Monitores de los CPU/sistema temperaturas y alarma acalorada.
- Monitores de voltajes de Vcore/V3SB/Vcc3/Vcc5/12V/V5SB/VBAT
- Vigila la velocidad del abanico del abanico del CPU/sistema
- Protección del procesador - Desconexión en caso de recalentamiento —el ordenador se desconecta automáticamente en caso de recalentamiento

**Recursos Gráficos Integrados**

- Intel Graphics Media Accelerator 900 integrado

**Recursos Audio Integrados**

- Audio CODEC de 6-canal
- Codec dúplex completo con independiente frecuencia de muestreo variable
- Auténtico salidas de nivel de línea estéreo
- Interfaz de S/PDIF-in/out

**Recursos LAN Integrados**

- 915G-TMGF
  - Realtek RTL8110SB PCI Gigabit LAN controller
  - Soporta 10/100/1Gbps
  - IEEE 802.3ab compatible
- 915GV-TML
  - Realtek RTL8100C PCI LAN controller
  - Soporta 10/100Mbps
  - IEEE 802.3 compatible
- Funciones de administración de energía integrado
- Soporta alambre para la administración

**Interfaz Serial ATA**

- Permite 4 interfaz SATA (Serie ATA) la cual es compatible con la especificación SATA 1.0 (interfaz 1.5Gbps)

**Interfaz IEEE 1394 (915G-TMGF sólo)**

- Soporta 2 ports 100/200/400 Má/sec

**Controlador de IDE**

- Soporta las unidades duras hasta de UltraDMA 100Mbps

**Panel de reverso de conectores de entrada - Salida**

- 1 puerto de ratón y 1 puerto de teclado mini-DIN-6 PS/2
- 1 puerto de serie DB-9 y 1 puerto de VGA DB-15
- 1 puerto paralelo de DB-25
- 1 puerto de IEEE 1394 (915G-TMGF sólo)
- 1 puerto de RJ45 LAN y 4 puertos de USB 2.0/1.1
- Line-in, line-out y mic-in enchufes de audio

**I/O Conectores**

- 2 conectores para 4 puertos de USB 2.0/1.1 externo adicional
- 1 conector para un puerto de IEEE 1394 (915G-TMGF sólo)
- 1 conector audio delantero para la salida extrema de línea y el micro
- 1 conector de CD-in audio interno
- 1 S/PDIF mortaja para conexión de cable óptico
- 1 conector de IR y 4 conectores de Serial ATA
- 1 conector de IDE y 1 conector de FDD
- 2 conectores de fuente de alimentación de ATX
- 1 conector de conector del panel delantero
- 2 conectores de abanicos

**Ranuras de Expansión**

- 1 slot PCI Express x16 (915G-TMGF sólo)
- 1 slot PCI Express x1 y 2 slots PCI

**La Placa Imprenta**

- microATX , 24.4cm (9.6") x 24.4cm (9.6")

## 5.2 Lista de Chequeo del Paquete

El paquete del tablero de sistema contiene los siguientes artículos:

- ☒ 1 tablero de sistema
- ☒ 1 cable de IDE
- ☒ 1 cable de FDD
- ☒ 2 cable SATA
- ☒ 1 cable de alimentacion SATA
- ☒ 1 tapa protectora I/O
- ☒ 1 CD de "Mainboard Utility"
- ☒ 1 manual de usuario

Si cualquiera de estos artículos están perdidos o dañados, favor de ponerse en contacto con su tratante o representantes de venta para la asistencia.

## Глава 6 - Русский язык

### 6.1 Характеристики и свойства

#### Процессор

- Процессор Intel® Pentium® 4 Prescott
  - Intel технологией Hyper-Threading
  - Интерфейс системной шины 533MT/c и 800MT/c (200МГц)
- Socket LGA 775 (LAN Grid Array)

#### Чипсет

- 915G-TMGF
  - Северный мост: Intel® 915G Express chipset
  - Южный мост: Intel® 82801FB (ICH6)
- 915GV-TML
  - Северный мост: Intel® 915GV Express chipset
  - Южный мост: Intel® 82801FB (ICH6)

#### Оперативная Память

- 4 184-pin DDR DIMM гнезда, поддерживающие модули PC2700 (DDR333) и PC3200 (DDR400)
- Поддерживает двухканальную память (128-бит)
- Поддерживает до 4ГБ системной памяти
- Поддерживает только non-ECC x8 и x16 DIMM
- Поддержка до 512Мб DRAM
- Поддерживает небуфф. DIMM



#### Замечание:

Материнская плата не поддерживает DRAM 16Mx8.

#### BIOS

- Award BIOS
- 4Mbit Flash Память

#### Энергомичный Дизайн

- ACPI STR (Suspend to RAM)
- Активизация На Движение Мыши
- Активизация На Нажатие Кнопки USB Клавиатуры
- Активизация На Входящий Звонок

- Активизация На Сетевое Событие
- RTC Таймер для Включения Системы
- Скачки Напряжения

#### **Функции Мониторинга Состояния Системы**

- Мониторинг температуры процессора/системы
- Мониторинг напряжений Vcore/V3SB/Vcc3/Vcc5/12V/V5SB/VBAT
- Мониторинг скорости вращения вентилятора процессора/системы
- Защита процессора - Выключение при перегреве – автоматическое выключение компьютера при перегреве

#### **Встроенные Графические Возможности**

- Встроенный Intel Graphics Media Accelerator 900

#### **Встроенный Звук**

- 6-и CODEC
- Полнодуплексный кодек с независимым изменением частоты сжатия
- Настоящий линейный стерео выход
- интерфейса S/PDIF-in и S/PDIF-out

#### **Встроенные сетевые функции**

- 915G-TMGF
  - Realtek RTL8110SB PCI Gigabit LAN контроллер
  - Поддерживает 10/100/1Gbps
  - IEEE 802.3ab уступчиво
- 915GV-TML
  - Realtek RTL8100C PCI LAN контроллер
  - Поддерживает 10/100Mbps
  - IEEE 802.3 уступчиво
- Встроенные функции управления питанием
- Работа через шнур управления

#### **Интерфейс Serial ATA**

- Поддерживает 4 порта SATA (Serial ATA), совместимый со спецификацией SATA 1.0

#### **Интерфейс IEEE 1394 (только 915G-TMGF)**

- Поддерживает 2 порта 100/200/400 Мб/сек

### Интерфейс IDE

- Поддерживает жесткие диски до UltraDMA 100Mbps

### Порты Ввода/Вывода (I/O) задней панели

- 1 мини-DIN-6 PS/2 порт для мыши
- 1 мини-DIN-6 PS/2 порт для клавиатуры
- 1 внешнего DB-9 порта
- 1 DB-25 параллельный порт
- 1 VGA DB-15 порта
- 1 IEEE 1394 порт (только 915G-TMGE)
- 1 RJ45 LAN порт
- 4 USB 2.0/1.1 порта
- Line-in, line-out и mic-in гнезда для звука

### Разъемы Ввода/Вывода

- 2 разъем для 4-х дополнительных внешних USB 2.0/1.1 портов
- 1 разъем для внешнего IEEE 1394 порта (только 915G-TMGE)
- 1 передний аудио разъем для внешнего линейного выхода и микрофона
- 1 внутренних звуковых разъема (CD-in)
- 1 S/PDIF разъем для присоединения оптического кабеля
- 1 разъем для интерфейса IR
- 4 Serial ATA разъема
- 1 IDE разъема
- 1 разъем FDD
- 1 разъема питания ATX 24-pin
- 1 разъема питания ATX 4-pin 12V
- 1 Фронт панель разъем
- 2 Разъемы для вентилятора

### Слоты

- 1 PCI Express x16 слотов (только 915G-TMGE)
- 1 PCI Express x1 слотов
- 2 PCI слотов

### Печатная плата

- фактор формы microATX
- 24.4cm (9.6") x 24.4cm (9.6")

## 6.2 Комплектация

Комплектация поставки материнской платы:

- ☒ 1 Системная плата
- ☒ 1 кабель IDE
- ☒ 1 кабель FDD
- ☒ 2 кабель Serial ATA
- ☒ 1 шлейф шнуром питания Serial ATA
- ☒ 1 защитная крышка I/O
- ☒ Один CD с "Mainboard Utility"
- ☒ 1 Руководство пользователя

Если в комплекте из этого чего-то не хватает или что-то испорчено, пожалуйста, свяжитесь со своим дилером или продавцом.